VI. *Some Account of an Earthquake felt in the Northern Part of* England. *In a Letter from* Samuel More, *Eſq. to Sir* Joſeph Banks, *Bart. P. R. S.*

Read December 7, 1786.

SIR, Caſtle-Head, Lancaſhire, Auguſt 22, 1786.

I TAKE the liberty of addreſſing this to you, to give you information, and furniſh you with all the particulars I have been able to collect, relative to a ſhock of an earthquake felt in this part of the kingdom on Friday, the 11th inſtant, about two o'clock in the morning; ſome ſay it was a little before that hour, others a little after, owing probably to the difference of the clocks.

I was at that time in the houſe of a miner at Aulſtone-Moor in Cumberland, but perceived no ſhock; nor do I believe it was felt in that neighbourhood, as no mention was made of it by any of the miners I converſed with during the courſe of the day; but, on my arrival at Penrith in the evening, every one there ſpoke of it as having been ſenſibly felt in that town. The next day, purſuing my journey, I was informed it had been felt along the banks of Ulſwater, in Patterdale, at Ambleſide, along the ſide of Winander Meer, and particularly at the houſe in the iſland on that lake, the property of Mr. CHRISTIAN. At the place where I am now writing, the Lady of the houſe, and ſome of the ſervants, were awakened by it, and deſcribe it as

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ſhaking violently the beds, the chairs in the rooms, and the ſaſhes of the windows. At Cartmeal, a town about five miles from hence, it was alſo felt very ſeverely; and at the village of Carke, two miles from Cartmeal, a gentleman (Mr. FLETCHER STOCKDALE) tells me, he was awake ſome time before the ſhock; that he firſt heard a rumbling noiſe, like a carriage at a diſtance, and was conſidering what carriage could be moving at that hour, when he felt the ſhock. The noiſe continued ſome time after the ſhock was over; and he thinks the whole might laſt about four or five ſeconds, and it ſeemed to travel from the eaſt to the weſtward. Almoſt every body in the neighbourhood of Carke and Cartmeal were awakened by it, and ſome perſons much alarmed; but I do not find that, at any part where I have been, any damage has been done by it. At Lancaſter, about ten miles eaſt of Cartmeal, it was very plainly felt, particularly, as I am told, in the great tower of the Caſtle. It appears to have extended as far as Mancheſter, where it was ſlightly perceived.

Theſe are the particulars I have hitherto been able to collect relative to this earthquake, of which I doubt not you will have many accounts ſent you; but if theſe facts furniſh any thing not mentioned by your other correſpondents, it will afford great pleaſure to, Sir, &c.

SAMUEL MORE.